

METHOD AND SYSTEM FOR ENABLING RESOURCE SHARING IN A
COMMUNICATION NETWORK HAVING A PLURALITY OF APPLICATION
ENVIRONMENTS

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ABSTRACT OF THE DISCLOSURE

A method for enabling resource sharing in a
communication network supporting a plurality of application
environments. Specifically, one embodiment of the present
10 invention discloses a method ensuring only sufficient
computational resources are used by a multi-component system
as needed to meet its service level objectives. A method is
disclosed wherein quality of service is monitored at each
component in a multi-component application environment. A
15 metric characterizes quality of service for each component.
The method determines whether the quality of service at each
component meets an associated service level objective. The
method then optimizes the number of computational resources
in each of components in the application environment to
20 satisfy service level objectives.